

# METHOD FOR CONTACTLESS DATA TRANSMISSION AND TRANSPONDER FOR A CONTACTLESS DATA TRANSMISSION SYSTEM

## Abstract

A system and method for contactless data transmission. A transponder includes a reception unit for receiving a modulated RF signal, a signal processing unit which is connected downstream of the reception unit and a unit for processing at least two differently modulated and/or coded RF signals, for providing a supply voltage and for providing a data signal produced from the modulated RF signal, and a data processing unit which can be connected to the supply voltage and to which the data signal can be supplied, and which is connected to the signal processing unit for setting the modulation type and/or coding type for the RF signals to be processed. The signal processing unit is set to the process differently modulated and/or coded RF signals in chronological order, starting from application of a supply voltage until the data processing unit identifies reception of a prescribed data signal.